# Allegheny National Forest

## Treatment Monitoring Program, 1992, 1993, and 1994

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## About the Spray Blocks

In 1992, 53 blocks totaling 22,151 acres were monitored on the Allegheny National Forest in Elk, Forest, McKean, and Warren Counties. Of the 53 blocks, 38 were sprayed twice with undiluted Foray 48B applied at 24 BIU's at a rate of 64 ounces per acre and 15 were sprayed once with undiluted Foray 48B applied at 32 BIU's at a rate of 85 ounces per acre.

In 1993, 27 blocks totaling 16,716 acres were monitored on the Allegheny National Forest in Elk, Forest, McKean, and Warren Counties. Of the 27 blocks, 8 were sprayed twice and 19 were sprayed once with undiluted Dipel 6AF and applied at 36 BIU's at a rate of 96 ounces per acre.

In 1994, 9 blocks totaling 9,366 acres were monitored in McKean and Warren Counties. Of the 9 blocks, 7 were sprayed twice and 2 were sprayed once with diluted Thuricide 48LV at 32 BIU's at an application rate of 85 ounces per acre.

The tabulation below shows average block size in acres:

| Year | Formulation | Average Block Size (acres) |
|---|---|---|
| 1992 | Foray 48B | 461 (53) |
| 1993 | Dipel 6AF | 542 (27) |
| 1994 | Thuricide 48LV | 1026 (9) |

Note: numbers in parenthesis indicate number of spray blocks.

## Pre-treatment and Post-Treatment Egg Mass Densities

The following tabulation shows average pre- and post-treatment egg mass densities for the 3-year period:

| Year | Formulation | Average pre-trt egg mass density | Average post-trt egg mass density |
|---|---|---|---|
| 1992 | Foray 48B | 484 (53) | 15 (53) |
| 1993 | Dipel 6AF | 1346 (27) | 23 (26) |
| 1994 | Thuricide 48LV | 3100 (9) | 0 (9) |

Note: numbers in parenthesis indicate number of spray blocks.

## Population Reduction

The average percent population reduction is calculated as ((pre - post)/pre) x 100. The following tabulation displays average percent population reduction for 1992, 1993, and 1994:

| Year | Formulation | Average Percent Reduction |
|---|---|---|
| 1992 | Foray 48B | 96 (50) |
| 1993 | Dipel 6AF | 98 (26) |
| 1994 | Thuricide 48LV | 100 (9) |

Note: numbers in parenthesis indicate number of spray blocks.

Refer to Table 1 in the Appendix for a listing of the average pre- and post-treatment egg mass densities and average percent population reduction by County and formulation.

## Defoliation

In 1992, defoliation data was collected using the average percent of trees defoliated within a spray block. In all 53 blocks monitored, there was no noticeable defoliation in any of the blocks.

In 1993 and 1994, defoliation was collected in categories (none, light, moderate, or high) as it relates to percent of block acres defoliated. Of the 26 blocks in 1993 and the 9 blocks in 1994, all of them showed 100 percent of the block acres with no noticeable defoliation.

## Successes and Failures

### Post-treatment egg mass data and population reduction for 1992-1994

Using post-treatment egg mass data and population reduction, success can be defined as having less than 500 egg masses per acre after treatment and at the same time achieving a population reduction of greater than or equal to 80 percent.

Using this criteria, the following tabulation displays percent of blocks successfully sprayed:

| Year | Formulation | Percent of Blocks Successfully Sprayed |
|---|---|---|
| 1992 | Foray 48B | 98% (49) |
| 1993 | Dipel 6AF | 100% (26) |
| 1994 | Thuricide 48LV | 100% (7) |

Note: numbers in parenthesis indicate number of spray blocks.

Refer to Table 2 in the Appendix for a listing of each spray block's name, pre- and post-treatment egg mass densities, and population reduction by County and formulation.

### Post-treatment defoliation data

| Year | Formulation | Percent of Blocks Successfully Sprayed |
|---|---|---|
| 1992* | Foray 48B | 100% (53) |
| 1993** | Dipel 6AF | 100% (27) |
| 1994** | Thuricide 48LV | 100% (9) |

Note: numbers in parenthesis indicate number of spray blocks.

* In 1992, post-treatment defoliation was collected using average percent defoliation of trees within a spray block after treatment; therefore, success was defined as having less than 30 percent defoliation after treatment.

** In 1993 and 1994, post-treatment defoliation data was collected using categories as a percent of block acres defoliated; therefore, a spray block was considered to be successful if (Percent of block acres in moderate category + Percent of block acres in heavy category) was less than 50 percent.

## Conditions at the Time of Spray

| Condition | 1992 | 1993 | 1994 |
|---|---|---|---|
| Spray Dates | May 22 - June 2 (8 days total) | May 21 - June 4 (8 days total) | May 31 - June 7 (4 days total) |
| Windspeed, mph | 0-7 | 0-3 | 0-4 |
| Temperature, deg. F | 32-81 | 38-60 | 38-69 |
| Percent Relative Humidity | 18-100 | 44-84 | 58-90 |
| Percent Foliage Development | 30-75 | 60-75 | 50-70 |
| Larval Development | 2nd instar | 2nd instar | 1st instar |

## About the Aircraft

In 1993, 3 fixed-winged Piper Aztecs were used to spray the blocks. The aircraft were calibrated as follows:

| Type | Boom Length (Feet) | Nozzle Type | Nozzle Model | No. Of Nozzles | Swath Width (feet) | Nozzle Angle (deg.) | Pressure (psi) | Flowrate | Speed (mph) |
|---|---|---|---|---|---|---|---|---|---|
| Piper Aztec<br>N11TD<br>N32JD<br>N900TD | 28 | Flat fan | 8008 | 49 | 150 | 45 | 40<br>47 | 36.7<br>36.9 | 150 |
| Turbine Thrush<br>N4990X<br>N5043X<br>N8484<br>N86HD | | Flat fan | 8008 | | 100 | | 40 | | 150 |
| DC-3<br>N43N<br>N177H | 76 | Flat fan | 8010 | 43<br>45 | 250 | 90 | 40 | 40.4<br>53.8 | 160 |

## Listing of All Data

Table 3 in the Appendix lists each field in the data base for 1992-1994.

## Conclusion

Gypsy moth populations on the Allegheny National Forest have been in a steady decline over the past 3 years. Suppression projects have declined in total acres treated from 22,151 in 1992 to 16,716 in 1993 to 9,366 acres in 1994. No acres will be treated in 1995. Much of this decline can be attributed to natural causes, NPV, and extremely low temperatures during the winter of 1993 and 1994. Due to these factors and successful suppression projects, current gypsy moth populations are extremely depressed.

## Table 1.--AVERAGE POPULATION REDUCTION BY FORMULATION AND COUNTY - 1992-1994

*15-Feb-95*

| FORMULAT | COUNTY | NO. OF BLKS | AVG PRE-TRT EM DENSITY | AVG POST-TRT EM DENSITY | AVG PERCENT REDUCTION |
|---|---|---|---|---|---|
| **1992** | | | | | |
| **FORAY 48B** | | | | | |
| | **WARREN** | 26 | 313.04 | 2.85 | 99.09 |
| | **MCKEAN** | 2 | 478.00 | 6.50 | 98.64 |
| | **FOREST** | 20 | 951.95 | 24.45 | 97.43 |
| | **ELK** | 2 | 260.00 | 26.50 | 89.81 |
| | | **50** | **500.75** | **15.07** | **96.24** |
| **1993** | | | | | |
| **DIPEL 6AF** | | | | | |
| | **WARREN** | 12 | 1308.33 | 44.50 | 96.60 |
| | **MCKEAN** | 10 | 1640.00 | 46.80 | 97.15 |
| | **FOREST** | 1 | 1000.00 | 0.00 | 100.00 |
| | **ELK** | 3 | 1420.00 | 0.00 | 100.00 |
| | | **26** | **1342.08** | **22.83** | **98.44** |
| **1994** | | | | | |
| **THURICIDE 48LV** | | | | | |
| | **WARREN** | 5 | 2700.00 | 0.00 | 100.00 |
| | **MCKEAN** | 4 | 3500.00 | 0.00 | 100.00 |
| | | **9** | **3100.00** | **0.00** | **100.00** |
| | | **85** | **1357.13** | **15.16** | **97.87** |

# Table 2.--SUCCESS/FAILURE BASED ON POST-TREATMENT EGG MASS DENSITY AND POPULATION REDUCTION, 1992-1994

*15-Feb-95*

| Category | Formulation | County | Block Name | Avg. Pre-trt. em den/ac. | Avg. Post-trt. em den/ac. | Avg. Pct. Pop. Reduction |
|---|---|---|---|---|---|---|
| **1992** | | | | | | |
| **FAILURE** | | | | | | |
| | **FORAY 48B** | | | | | |
| | | FOREST | 0053 | 107 | 47 | 56.07 |
| | | | **Average for FORAY 48B :** | **107** | **47** | **56.07** |
| **SUCCESS** | | | | | | |
| | **FORAY 48B** | | | | | |
| | | ELK | 0054 | 420 | 53 | 87.38 |
| | | ELK | 0055 | 100 | 0 | 100.00 |
| | | FOREST | 0036 | 533 | 27 | 94.93 |
| | | FOREST | 0038 | 640 | 0 | 100.00 |
| | | FOREST | 0039 | 347 | 0 | 100.00 |
| | | FOREST | 0040 | 580 | 13 | 97.76 |
| | | FOREST | 0041 | 1867 | 40 | 97.86 |
| | | FOREST | 0042 | 8 | 0 | 100.00 |
| | | FOREST | 0043 | 3153 | 27 | 99.14 |
| | | FOREST | 0044 | 33 | 0 | 100.00 |
| | | FOREST | 0045 | 392 | 0 | 100.00 |
| | | FOREST | 0046 | 108 | 7 | 93.52 |
| | | FOREST | 0048 | 120 | 0 | 100.00 |
| | | FOREST | 0049 | 1767 | 60 | 96.60 |
| | | FOREST | 0050 | 3760 | 67 | 98.22 |
| | | FOREST | 0051 | 200 | 20 | 90.00 |
| | | FOREST | 0052 | 600 | 60 | 90.00 |
| | | FOREST | 0056 | 160 | 27 | 83.13 |
| | | FOREST | 0057 | 128 | 7 | 94.53 |
| | | FOREST | 0058 | 136 | 7 | 94.85 |
| | | FOREST | 0059 | 4400 | 80 | 98.18 |
| | | MCKEAN | 0001 | 668 | 0 | 100.00 |
| | | MCKEAN | 0002 | 288 | 13 | 95.49 |
| | | WARREN | 0003 | 412 | 20 | 95.15 |
| | | WARREN | 0004 | 1468 | 0 | 100.00 |
| | | WARREN | 0007 | 360 | 0 | 100.00 |
| | | WARREN | 0008 | 27 | 0 | 100.00 |
| | | WARREN | 0009 | 107 | 0 | 100.00 |
| | | WARREN | 0011 | 240 | 33 | 86.25 |
| | | WARREN | 0012 | 73 | 0 | 100.00 |
| | | WARREN | 0014 | 147 | 0 | 100.00 |
| | | WARREN | 0015 | 67 | 0 | 100.00 |

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*15-Feb-95*

| Category | Formulation | County | Block Name | Avg. Pre-trt. em den/ac. | Avg. Post-trt. em den/ac. | Avg. Pct. Pop. Reduction |
|---|---|---|---|---|---|---|
| | | WARREN | 0017 | 14 | 0 | 100.00 |
| | | WARREN | 0018 | 173 | 0 | 100.00 |
| | | WARREN | 0019 | 113 | 0 | 100.00 |
| | | WARREN | 0020 | 260 | 0 | 100.00 |
| | | WARREN | 0021 | 160 | 0 | 100.00 |
| | | WARREN | 0022 | 653 | 0 | 100.00 |
| | | WARREN | 0023 | 1400 | 7 | 99.50 |
| | | WARREN | 0024 | 252 | 7 | 97.22 |
| | | WARREN | 0025 | 133 | 7 | 94.74 |
| | | WARREN | 0026 | 300 | 0 | 100.00 |
| | | WARREN | 0027 | 212 | 0 | 100.00 |
| | | WARREN | 0028 | 40 | 0 | 100.00 |
| | | WARREN | 0029 | 400 | 0 | 100.00 |
| | | WARREN | 0031 | 67 | 0 | 100.00 |
| | | WARREN | 0033 | 533 | 0 | 100.00 |
| | | WARREN | 0034 | 400 | 0 | 100.00 |
| | | WARREN | 0035 | 128 | 0 | 100.00 |
| | | | **Average for FORAY 48B :** | **583** | **12** | **97.64** |
| **1993** | | | | | | |
| **SUCCESS** | | | | | | |
| | **DIPEL 6AF** | | | | | |
| | | ELK | 0024 | 960 | 0 | 100.00 |
| | | ELK | 0025 | 1800 | 0 | 100.00 |
| | | ELK | 0026 | 1500 | 0 | 100.00 |
| | | FOREST | 0023 | 1000 | 0 | 100.00 |
| | | MCKEAN | 0001 | 1500 | 80 | 94.67 |
| | | MCKEAN | 0002 | 1500 | 220 | 85.33 |
| | | MCKEAN | 0003 | 2000 | 7 | 99.65 |
| | | MCKEAN | 0004 | 2900 | 7 | 99.76 |
| | | MCKEAN | 0008 | 1500 | 0 | 100.00 |
| | | MCKEAN | 0009 | 1500 | 47 | 96.87 |
| | | MCKEAN | 0010 | 1500 | 47 | 96.87 |
| | | MCKEAN | 0013 | 1500 | 47 | 96.87 |
| | | MCKEAN | 0014 | 1000 | 13 | 98.70 |
| | | MCKEAN | 0018 | 1500 | 0 | 100.00 |
| | | WARREN | 0005 | 1600 | 127 | 92.06 |
| | | WARREN | 0006 | 3800 | 127 | 96.66 |
| | | WARREN | 0007 | 1500 | 280 | 81.33 |
| | | WARREN | 0011 | 1500 | 0 | 100.00 |

# Table 2.--SUCCESS/FAILURE BASED ON POST-TREATMENT EGG MASS DENSITY AND POPULATION REDUCTION, 1992-1994

*15-Feb-95*

| Category | Formulation | County | Block Name | Avg. Pre-trt. em den/ac. | Avg. Post-trt. em den/ac. | Avg. Pct. Pop. Reduction |
|---|---|---|---|---|---|---|
| | | WARREN | 0012 | 1500 | 0 | 100.00 |
| | | WARREN | 0015 | 1200 | 0 | 100.00 |
| | | WARREN | 0016 | 400 | 0 | 100.00 |
| | | WARREN | 0017 | 100 | 0 | 100.00 |
| | | WARREN | 0019 | 1600 | 0 | 100.00 |
| | | WARREN | 0020 | 2000 | 0 | 100.00 |
| | | WARREN | 0021 | 300 | 0 | 100.00 |
| | | WARREN | 0022 | 200 | 0 | 100.00 |
| | | | **Average for DIPEL 6AF :** | **1437** | **39** | **97.64** |
| **1994** | | | | | | |
| **SUCCESS** | | | | | | |
| | **THURICIDE 48L** | | | | | |
| | | MCKEAN | 0001 | 1500 | 0 | 100.00 |
| | | MCKEAN | 0002 | 5500 | 0 | 100.00 |
| | | MCKEAN | 0008 | 4500 | 0 | 100.00 |
| | | MCKEAN | 0009 | 2500 | 0 | 100.00 |
| | | WARREN | 0003 | 1500 | 0 | 100.00 |
| | | WARREN | 0004 | 5000 | 0 | 100.00 |
| | | WARREN | 0005 | 2500 | 0 | 100.00 |
| | | WARREN | 0006 | 2000 | 0 | 100.00 |
| | | WARREN | 0007 | 2500 | 0 | 100.00 |
| | | | **Average for THURICIDE 48LV :** | **3056** | **0** | **100.00** |
| | | | **Grand Average :** | **1100** | **19** | **97.40** |

# TABLE 3.--LISTING OF ALL DATA BY COUNTY - 1992-1994

*15-Feb-95*

| COUNTY | BNAME | BACRES | ASPECT | PTREATED | PDENSITY | EMSIZE | STYPE | FORMULATION | IF BT | BIU | RATE | APP DATE | TAILNO | FEXPAND | FCOND | LSTAGE | WS | TEMP | HUMIDIY | SD EP | RAIN | PERCENT OF BLOCK ACRES DEFOLIATED NONE | LIGHT | MEDIUM | HIGH | EM DEN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1992** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ELK | 0054 | 429 | SOUTH | NO | 420 | 21 | FIXED WALK | FORAY 48B | UNDILUTED | 32 | 85 | 05 27 92 | N4990X | 30 | DRY | 2 | 4 | 51 | 74 | GOOD | UNK | 999 | 999 | 999 | 999 | 53 |
| ELK | 0055 | 997 | EAST | NO | 100 | 21 | FIXED WALK | FORAY 48B | UNDILUTED | 32 | 85 | 05 27 92 | N4990X | 999 | DRY | 2 | 6 | 53 | 42 | UNK | UNK | 999 | 999 | 999 | 999 | 0 |
| FOREST | 0036 | 597 | EAST | NO | 533 | 24 | FIXED WALK | FORAY 48B | UNDILUTED | 24 | 64 | 05 28 92 | N8484V | 30 | DRY | 2 | 3 | 56 | 54 | POOR | NO | 999 | 999 | 999 | 999 | 27 |
| FOREST | 0038 | 624 | SOUTH | NO | 640 | 24 | FIXED WALK | FORAY 48B | UNDILUTED | 24 | 64 | 05 23 92 | N5043X | 40 | DRY | 2 | 0 | 67 | 54 | GOOD | NO | 999 | 999 | 999 | 999 | 0 |
| FOREST | 0038 | 99999 | SOUTH | NO | 99999 | 99 | FIXED WALK | FORAY 48B | UNDILUTED | 99 | 999 | 05 29 92 | N8484V | 75 | DRY | 2 | 0 | 34 | 79 | GOOD | NO | 999 | 999 | 999 | 999 | 99999 |
| FOREST | 0039 | 99999 | NONE | NO | 99999 | 99 | FIXED WALK | FORAY 48B | UNDILUTED | 99 | 64 | 05 28 92 | N8484V | 30 | DRY | 2 | 1 | 34 | 100 | UNK | UNK | 999 | 999 | 999 | 999 | 99999 |
| FOREST | 0039 | 4199 | NONE | NO | 347 | 24 | FIXED WALK | FORAY 48B | UNDILUTED | 24 | 999 | 05 22 92 | N5043X | 30 | DRY | 2 | 1 | 71 | 24 | GOOD | UNK | 999 | 999 | 999 | 999 | 0 |
| FOREST | 0039 | 99999 | NONE | NO | 99999 | 99 | FIXED WALK | FORAY 48B | UNDILUTED | 99 | 999 | 05 22 92 | N5043X | 30 | DRY | 2 | 1 | 999 | 999 | GOOD | NO | 999 | 999 | 999 | 999 | 99999 |
| FOREST | 0039 | 99999 | NONE | NO | 99999 | 99 | FIXED WALK | FORAY 48B | UNDILUTED | 99 | 999 | 05 27 92 | N5043X | 75 | DRY | 2 | 0 | 52 | 63 | GOOD | NO | 999 | 999 | 999 | 999 | 99999 |
| FOREST | 0039 | 99999 | NONE | NO | 99999 | 99 | FIXED WALK | FORAY 48B | UNDILUTED | 99 | 999 | 05 27 92 | N5043X | 30 | DRY | 2 | 0 | 40 | 100 | UNK | NO | 999 | 999 | 999 | 999 | 99999 |
| FOREST | 0040 | 525 | EAST | NO | 580 | 24 | FIXED WALK | FORAY 48B | UNDILUTED | 24 | 64 | 05 23 92 | N4990X | 30 | DRY | 2 | 1 | 68 | 61 | GOOD | UNK | 999 | 999 | 999 | 999 | 13 |
| FOREST | 0040 | 99999 | EAST | NO | 99999 | 99 | FIXED WALK | FORAY 48B | UNDILUTED | 99 | 999 | 05 28 92 | N4990X | 30 | DRY | 2 | 0 | 58 | 59 | GOOD | NO | 999 | 999 | 999 | 999 | 99999 |
| FOREST | 0041 | 865 | WEST | NO | 1867 | 24 | FIXED WALK | FORAY 48B | UNDILUTED | 24 | 999 | 05 23 92 | N8484V | 30 | DRY | 2 | 2 | 75 | 47 | GOOD | NO | 999 | 999 | 999 | 999 | 40 |
| FOREST | 0041 | 99999 | WEST | NO | 99999 | 99 | FIXED WALK | FORAY 48B | UNDILUTED | 99 | 64 | 06 01 92 | N8484V | 30 | DRY | 2 | 5 | 61 | 68 | GOOD | UNK | 999 | 999 | 999 | 999 | 99999 |
| FOREST | 0042 | 601 | EAST | NO | 8 | 24 | FIXED WALK | FORAY 48B | UNDILUTED | 24 | 999 | 05 23 92 | N4990X | 30 | DRY | 2 | 3 | 81 | 50 | GOOD | UNK | 999 | 999 | 999 | 999 | 0 |
| FOREST | 0042 | 99999 | EAST | NO | 99999 | 99 | FIXED WALK | FORAY 48B | UNDILUTED | 99 | 64 | 05 28 92 | N86HD | 30 | DRY | 2 | 2 | 54 | 69 | GOOD | UNK | 999 | 999 | 999 | 999 | 99999 |
| FOREST | 0043 | 140 | SOUTH | NO | 3153 | 24 | FIXED WALK | FORAY 48B | UNDILUTED | 24 | 64 | 05 23 92 | N4990X | 30 | DRY | 2 | 0 | 54 | 89 | GOOD | NO | 999 | 999 | 999 | 999 | 27 |
| FOREST | 0043 | 99999 | SOUTH | NO | 99999 | 99 | FIXED WALK | FORAY 48B | UNDILUTED | 99 | 999 | 06 01 92 | N4990X | 30 | UNK | 2 | 2 | 61 | 54 | GOOD | UNK | 999 | 999 | 999 | 999 | 99999 |
| FOREST | 0044 | 518 | WEST | NO | 33 | 24 | FIXED WALK | FORAY 48B | UNDILUTED | 24 | 64 | 05 28 92 | N86HD | 30 | DRY | 2 | 0 | 39 | 100 | GOOD | UNK | 999 | 999 | 999 | 999 | 0 |
| FOREST | 0045 | 99999 | SOUTH | NO | 99999 | 99 | FIXED WALK | FORAY 48B | UNDILUTED | 99 | 999 | 05 28 92 | N4990X | 30 | DRY | 2 | 1 | 34 | 100 | GOOD | NO | 999 | 999 | 999 | 999 | 99999 |
| FOREST | 0045 | 414 | SOUTH | NO | 392 | 24 | FIXED WALK | FORAY 48B | UNDILUTED | 24 | 64 | 05 22 92 | N4990X | 30 | DRY | 2 | 1 | 44 | 100 | GOOD | NO | 999 | 999 | 999 | 999 | 0 |
| FOREST | 0046 | 829 | NORTH | NO | 108 | 24 | FIXED WALK | FORAY 48B | UNDILUTED | 24 | 999 | 05 23 92 | N8484V | 30 | DRY | 2 | 0 | 51 | 999 | GOOD | NO | 999 | 999 | 999 | 999 | 7 |
| FOREST | 0046 | 99999 | NORTH | NO | 99999 | 99 | FIXED WALK | FORAY 48B | UNDILUTED | 99 | 64 | 05 29 92 | N4990X | 30 | DRY | 2 | 0 | 35 | 84 | GOOD | UNK | 999 | 999 | 999 | 999 | 99999 |
| FOREST | 0047 | 185 | EAST | NO | 0 | 0 | FIXED WALK | FORAY 48B | UNDILUTED | 24 | 64 | 05 22 92 | N4990X | 30 | UNK | 2 | 0 | 47 | 100 | GOOD | NO | 999 | 999 | 999 | 999 | 0 |
| FOREST | 0047 | 99999 | EAST | NO | 99999 | 99 | FIXED WALK | FORAY 48B | UNDILUTED | 99 | 999 | 05 28 92 | N4990X | 30 | UNK | 2 | 0 | 37 | 100 | GOOD | NO | 999 | 999 | 999 | 999 | 99999 |

# TABLE 3.--LISTING OF ALL DATA BY COUNTY - 1992-1994

*15-Feb-95*

| COUNTY | BNAME | BACRES | ASPECT | PTREATED | PDENSITY | EMSIZE | STYPE | FORMULATION | IFBT | BIU | RATE | APP DATE | TAILNO | FEXPAND | FCOND | LSTAGE | WS | TEMP | HUMDIY | SDEP | RAIN | PERCENT OF BLOCK ACRES DEFOLIATED NONE | LIGHT | MEDIUM | HIGH | EMDEN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FOREST | 0048 | 596 | SOUTH | NO | 120 | 24 | FIXED WALK | FORAY 48B | UNDILUTED | 24 | 999 | 05 22 92 | N4990X | 30 | WET | 2 | 1 | 999 | 999 | UNK | NO | 999 | 999 | 999 | 999 | 0 |
| FOREST | 0048 | 99999 | SOUTH | NO | 99999 | 99 | FIXED WALK | FORAY 48B | UNDILUTED | 99 | 64 | 05 28 92 | N4990X | 30 | DRY | 2 | 1 | 34 | 100 | GOOD | UNK | 999 | 999 | 999 | 999 | 99999 |
| FOREST | 0049 | 99999 | WEST | NO | 99999 | 99 | FIXED WALK | FORAY 48B | UNDILUTED | 99 | 64 | 05 29 92 | N4990X | 30 | DRY | 2 | 5 | 63 | 47 | GOOD | UNK | 999 | 999 | 999 | 999 | 99999 |
| FOREST | 0049 | 404 | WEST | NO | 1767 | 24 | FIXED WALK | FORAY 48B | UNDILUTED | 24 | 999 | 05 25 92 | N4990X | 30 | UNK | 2 | 1 | 38 | 999 | UNK | NO | 999 | 999 | 999 | 999 | 60 |
| FOREST | 0050 | 212 | NONE | NO | 3760 | 24 | FIXED WALK | FORAY 48B | UNDILUTED | 24 | 64 | 05 25 92 | N4990X | 30 | DRY | 2 | 0 | 43 | 84 | GOOD | UNK | 999 | 999 | 999 | 999 | 67 |
| FOREST | 0050 | 99999 | NONE | NO | 99999 | 99 | FIXED WALK | FORAY 48B | UNDILUTED | 99 | 999 | 05 29 92 | N4990X | 30 | DRY | 2 | 5 | 53 | 47 | UNK | UNK | 999 | 999 | 999 | 999 | 99999 |
| FOREST | 0051 | 143 | SOUTH | NO | 200 | 24 | FIXED WALK | FORAY 48B | UNDILUTED | 24 | 64 | 05 28 92 | N86HD | 999 | DRY | 2 | 2 | 66 | 42 | GOOD | UNK | 999 | 999 | 999 | 999 | 20 |
| FOREST | 0052 | 326 | SOUTH | NO | 600 | 24 | FIXED WALK | FORAY 48B | UNDILUTED | 24 | 64 | 05 23 92 | N4990X | 30 | DRY | 2 | 1 | 61 | 68 | GOOD | UNK | 999 | 999 | 999 | 999 | 60 |
| FOREST | 0052 | 99999 | SOUTH | | 99999 | 99 | FIXED WALK | FORAY 48B | UNDILUTED | 99 | 64 | 05 28 92 | N86HD | 999 | DRY | 2 | 2 | 61 | 45 | GOOD | NO | 999 | 999 | 999 | 999 | 99999 |
| FOREST | 0053 | 540 | SOUTH | NO | 107 | 24 | FIXED WALK | FORAY 48B | UNDILUTED | 24 | 64 | 05 22 92 | N4990X | 30 | DRY | 2 | 1 | 75 | 62 | GOOD | UNK | 999 | 999 | 999 | 999 | 47 |
| FOREST | 0053 | 99999 | SOUTH | NO | 99999 | 99 | FIXED WALK | FORAY 48B | UNDILUTED | 99 | 999 | 05 28 92 | N4990X | 30 | DRY | 2 | 0 | 47 | 85 | GOOD | NO | 999 | 999 | 999 | 999 | 99999 |
| FOREST | 0056 | 164 | SOUTH | NO | 160 | 24 | FIXED WALK | FORAY 48B | UNDILUTED | 32 | 85 | 05 27 92 | N86HD | 999 | WET | 2 | 1 | 33 | 100 | UNK | UNK | 999 | 999 | 999 | 999 | 27 |
| FOREST | 0057 | 75 | NORTH | NO | 128 | 24 | FIXED WALK | FORAY 48B | UNDILUTED | 32 | 85 | 05 27 92 | N86HD | 30 | WET | 2 | 0 | 37 | 92 | GOOD | UNK | 999 | 999 | 999 | 999 | 7 |
| FOREST | 0058 | 47 | WEST | NO | 136 | 24 | FIXED WALK | FORAY 48B | UNDILUTED | 32 | 85 | 05 27 92 | N86HD | 30 | DRY | 2 | 1 | 47 | 999 | GOOD | NO | 999 | 999 | 999 | 999 | 7 |
| FOREST | 0059 | 68 | SOUTH | NO | 4400 | 24 | FIXED WALK | FORAY 48B | UNDILUTED | 32 | 85 | 05 27 92 | N86HD | 30 | DRY | 2 | 1 | 47 | 65 | UNK | NO | 999 | 999 | 999 | 999 | 80 |
| MCKEAN | 0001 | 321 | SOUTH | NO | 668 | 24 | FIXED WALK | FORAY 48B | UNDILUTED | 24 | 64 | 05 25 92 | N5043X | 30 | DRY | 2 | 1 | 50 | 44 | GOOD | NO | 999 | 999 | 999 | 999 | 0 |
| MCKEAN | 0001 | 99999 | SOUTH | NO | 99999 | 99 | FIXED WALK | FORAY 48B | UNDILUTED | 99 | 999 | 06 02 92 | N8484V | 30 | WET | 2 | 1 | 55 | 87 | GOOD | UNK | 999 | 999 | 999 | 999 | 99999 |
| MCKEAN | 0002 | 1252 | SOUTH | NO | 288 | 24 | FIXED WALK | FORAY 48B | UNDILUTED | 24 | 999 | 05 25 92 | N8484V | 30 | DRY | 2 | 1 | 50 | 50 | GOOD | NO | 999 | 999 | 999 | 999 | 13 |
| MCKEAN | 0002 | 99999 | SOUTH | NO | 99999 | 99 | FIXED WALK | FORAY 48B | UNDILUTED | 99 | 64 | 06 02 92 | N8484V | 30 | WET | 2 | 1 | 55 | 87 | GOOD | UNK | 999 | 999 | 999 | 999 | 99999 |
| WARREN | 0003 | 992 | NONE | NO | 412 | 24 | FIXED WALK | FORAY 48B | UNDILUTED | 32 | 85 | 05 27 92 | N8484V | 30 | DRY | 2 | 2 | 45 | 86 | GOOD | NO | 999 | 999 | 999 | 999 | 20 |
| WARREN | 0004 | 99999 | WEST | NO | 99999 | 99 | FIXED WALK | FORAY 48B | UNDILUTED | 99 | 64 | 05 27 92 | N8484V | 30 | DRY | 2 | 7 | 60 | 58 | GOOD | NO | 999 | 999 | 999 | 999 | 99999 |
| WARREN | 0004 | 961 | WEST | NO | 1468 | 24 | FIXED WALK | FORAY 48B | UNDILUTED | 24 | 999 | 05 22 92 | N5043X | 30 | DRY | 2 | 0 | 52 | 64 | GOOD | NO | 999 | 999 | 999 | 999 | 0 |
| WARREN | 0006 | 69 | NORTH | NO | 0 | 0 | FIXED WALK | FORAY 48B | UNDILUTED | 32 | 85 | 05 25 92 | N4990X | 30 | DRY | 2 | 3 | 58 | 18 | UNK | UNK | 999 | 999 | 999 | 999 | 0 |
| WARREN | 0007 | 99999 | NONE | NO | 99999 | 99 | FIXED WALK | FORAY 48B | UNDILUTED | 99 | 999 | 05 28 92 | N86HD | 30 | UNK | 2 | 0 | 32 | 999 | GOOD | NO | 999 | 999 | 999 | 999 | 99999 |
| WARREN | 0007 | 464 | NONE | NO | 360 | 24 | FIXED WALK | FORAY 48B | UNDILUTED | 32 | 85 | 05 23 92 | N86HD | 30 | DRY | 2 | 999 | 79 | 58 | GOOD | NO | 999 | 999 | 999 | 999 | 0 |
| WARREN | 0008 | 358 | EAST | NO | 27 | 24 | FIXED WALK | FORAY 48B | UNDILUTED | 24 | 64 | 05 25 92 | N86HD | 30 | WET | 2 | 1 | 45 | 64 | GOOD | NO | 999 | 999 | 999 | 999 | 0 |

# TABLE 3.--LISTING OF ALL DATA BY COUNTY - 1992-1994

*15-Feb-95*

| COUNTY | BNAME | BACRES | ASPECT | PTREATED | PDENSITY | EMSIZE | STYPE | FORMULATION | IF BT | BIU | RATE | APP DATE | TAILNO | FEXPAND | FCOND | LSTAGE | WS | TEMP | HUMIDIY | SDEP | RAIN | PERCENT OF BLOCK ACRES DEFOLIATED NONE | LIGHT | MEDIUM | HIGH | EM DEN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WARREN | 0009 | 20 | SOUTH | NO | 107 | 24 | FIXED WALK | FORAY 48B | UNDILUTED | 24 | 64 | 05 25 92 | N86HD | 30 | DRY | 2 | 3 | 54 | 24 | GOOD | NO | 999 | 999 | 999 | 999 | 0 |
| WARREN | 0010 | 69 | WEST | NO | 0 | 0 | FIXED WALK | FORAY 48B | UNDILUTED | 24 | 64 | 05 25 92 | N86HD | 30 | DRY | 2 | 5 | 50 | 75 | GOOD | UNK | 999 | 999 | 999 | 999 | 0 |
| WARREN | 0011 | 46 | WEST | NO | 240 | 21 | FIXED WALK | FORAY 48B | UNDILUTED | 32 | 85 | 05 25 92 | N4990X | 30 | DRY | 2 | 6 | 55 | 44 | UNK | YES | 999 | 999 | 999 | 999 | 33 |
| WARREN | 0012 | 75 | EAST | NO | 73 | 24 | FIXED WALK | FORAY 48B | UNDILUTED | 24 | 64 | 06 01 92 | N86HD | 30 | DRY | 2 | 1 | 61 | 74 | UNK | NO | 999 | 999 | 999 | 999 | 0 |
| WARREN | 0014 | 75 | SOUTH | NO | 147 | 21 | FIXED WALK | FORAY 48B | UNDILUTED | 24 | 64 | 05 25 92 | N86HD | 30 | DRY | 2 | 0 | 999 | 999 | UNK | UNK | 999 | 999 | 999 | 999 | 0 |
| WARREN | 0014 | 99999 | SOUTH | NO | 99999 | 99 | FIXED WALK | FORAY 48B | UNDILUTED | 99 | 999 | 06 02 92 | N86HD | 30 | DRY | 2 | 0 | 59 | 79 | UNK | UNK | 999 | 999 | 999 | 999 | 99999 |
| WARREN | 0015 | 180 | SOUTH | NO | 67 | 24 | FIXED WALK | FORAY 48B | UNDILUTED | 24 | 64 | 05 25 92 | N86HD | 30 | | 2 | 0 | 999 | 999 | UNK | UNK | 999 | 999 | 999 | 999 | 0 |
| WARREN | 0017 | 83 | EAST | NO | 14 | 24 | FIXED WALK | FORAY 48B | UNDILUTED | 24 | 64 | 05 25 92 | N86HD | 30 | DRY | 2 | 0 | 55 | 44 | GOOD | UNK | 999 | 999 | 999 | 999 | 0 |
| WARREN | 0017 | 99999 | EAST | NO | 99999 | 99 | FIXED WALK | FORAY 48B | UNDILUTED | 99 | 999 | 06 01 92 | N86HD | 30 | DRY | 2 | 1 | 59 | 77 | UNK | UNK | 999 | 999 | 999 | 999 | 99999 |
| WARREN | 0018 | 124 | NONE | NO | 173 | 24 | FIXED WALK | FORAY 48B | UNDILUTED | 24 | 64 | 06 01 92 | | 30 | DRY | 2 | 2 | 60 | 57 | GOOD | YES | 999 | 999 | 999 | 999 | 0 |
| WARREN | 0019 | 115 | WEST | NO | 113 | 24 | FIXED WALK | FORAY 48B | UNDILUTED | 24 | 999 | 05 23 92 | N86HD | 30 | DRY | 2 | 0 | 73 | 52 | GOOD | NO | 999 | 999 | 999 | 999 | 0 |
| WARREN | 0019 | 99999 | WEST | NO | 99999 | 99 | FIXED WALK | FORAY 48B | UNDILUTED | 99 | 64 | 06 02 92 | N86HD | 30 | DRY | 2 | 1 | 58 | 80 | GOOD | NO | 999 | 999 | 999 | 999 | 99999 |
| WARREN | 0020 | 141 | WEST | NO | 260 | 24 | FIXED WALK | FORAY 48B | UNDILUTED | 32 | 85 | 05 25 92 | N4990X | 30 | DRY | 2 | 6 | 50 | 56 | GOOD | UNK | 999 | 999 | 999 | 999 | 0 |
| WARREN | 0021 | 138 | SOUTH | NO | 160 | 24 | FIXED WALK | FORAY 48B | UNDILUTED | 24 | 999 | 05 23 92 | N86HD | 30 | DRY | 2 | 0 | 999 | 999 | GOOD | NO | 999 | 999 | 999 | 999 | 0 |
| WARREN | 0021 | 99999 | SOUTH | NO | 99999 | 99 | FIXED WALK | FORAY 48B | UNDILUTED | 99 | 64 | 06 02 92 | N86HD | 30 | DRY | 2 | 0 | 60 | 78 | GOOD | NO | 999 | 999 | 999 | 999 | 99999 |
| WARREN | 0022 | 32 | WEST | NO | 653 | 24 | FIXED WALK | FORAY 48B | UNDILUTED | 32 | 85 | 05 25 92 | N86HD | 30 | DRY | 2 | 3 | 55 | 54 | GOOD | UNK | 999 | 999 | 999 | 999 | 0 |
| WARREN | 0023 | 37 | EAST | NO | 1400 | 24 | FIXED WALK | FORAY 48B | UNDILUTED | 32 | 85 | 05 25 92 | N86HD | 30 | DRY | 2 | 3 | 55 | 54 | UNK | UNK | 999 | 999 | 999 | 999 | 7 |
| WARREN | 0024 | 234 | EAST | NO | 252 | 24 | FIXED WALK | FORAY 48B | UNDILUTED | 24 | 64 | 05 23 92 | N86HD | 30 | UNK | 2 | 2 | 69 | 55 | GOOD | UNK | 999 | 999 | 999 | 999 | 7 |
| WARREN | 0024 | 99999 | EAST | NO | 99999 | 99 | FIXED WALK | FORAY 48B | UNDILUTED | 99 | 999 | 06 02 92 | N86HD | 30 | DRY | 2 | 0 | 54 | 88 | UNK | UNK | 999 | 999 | 999 | 999 | 99999 |
| WARREN | 0025 | 46 | SOUTH | NO | 133 | 24 | FIXED WALK | FORAY 48B | UNDILUTED | 24 | 999 | 05 23 92 | N86HD | 30 | UNK | 2 | 2 | 69 | 55 | GOOD | UNK | 999 | 999 | 999 | 999 | 7 |
| WARREN | 0025 | 99999 | SOUTH | NO | 99999 | 99 | FIXED WALK | FORAY 48B | UNDILUTED | 99 | 64 | 06 02 92 | N86HD | 30 | DRY | 2 | 0 | 54 | 88 | UNK | UNK | 999 | 999 | 999 | 999 | 99999 |
| WARREN | 0026 | 99999 | EAST | NO | 99999 | 99 | FIXED WALK | FORAY 48B | UNDILUTED | 99 | 999 | 05 23 92 | N86HD | 35 | DRY | 2 | 0 | 999 | 999 | UNK | NO | 999 | 999 | 999 | 999 | 99999 |
| WARREN | 0026 | 330 | EAST | NO | 300 | 24 | FIXED WALK | FORAY 48B | UNDILUTED | 24 | 999 | 05 23 92 | N86HD | 30 | UNK | 2 | 0 | 56 | 89 | UNK | UNK | 999 | 999 | 999 | 999 | 0 |
| WARREN | 0026 | 99999 | EAST | NO | 99999 | 99 | FIXED WALK | FORAY 48B | UNDILUTED | 99 | 64 | 06 02 92 | N4990X | 30 | DRY | 2 | 1 | 58 | 82 | GOOD | UNK | 999 | 999 | 999 | 999 | 99999 |
| WARREN | 0027 | 30 | SOUTH | NO | 212 | 24 | FIXED WALK | FORAY 48B | UNDILUTED | 24 | 999 | 05 23 92 | N86HD | 30 | DRY | 2 | 1 | 59 | 88 | GOOD | UNK | 999 | 999 | 999 | 999 | 0 |
| WARREN | 0027 | 99999 | SOUTH | NO | 99999 | 99 | FIXED WALK | FORAY 48B | UNDILUTED | 99 | 64 | 06 02 92 | N4990X | 999 | DRY | 2 | 1 | 62 | 100 | GOOD | UNK | 999 | 999 | 999 | 999 | 99999 |

# TABLE 3.--LISTING OF ALL DATA BY COUNTY - 1992-1994

*15-Feb-95*

| COUNTY | BNAME | BACRES | ASPECT | PTREATED | PDENSITY | EMSIZE | STYPE | FORMULATION | IF BT | BIU | RATE | APP DATE | TAILNO | FEXPAND | FCOND | LSTAGE | WS | TEMP | HUMIDIY | SDEP | RAIN | PERCENT OF BLOCK ACRES DEFOLIATED NONE | LIGHT | MEDIUM | HIGH | EM DEN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WARREN | 0028 | 97 | SOUTH | NO | 40 | 24 | FIXED WALK | FORAY 48B | UNDILUTED | 32 | 85 | 05 25 92 | N86HD | 30 | DRY | 2 | 1 | 55 | 60 | UNK | NO | 999 | 999 | 999 | 999 | 0 |
| WARREN | 0029 | 179 | EAST | NO | 400 | 24 | FIXED WALK | FORAY 48B | UNDILUTED | 24 | 64 | 06 02 92 | N4990X | 30 | DRY | 2 | 0 | 999 | 999 | UNK | UNK | 999 | 999 | 999 | 999 | 0 |
| WARREN | 0031 | 90 | NONE | NO | 67 | 21 | FIXED WALK | FORAY 48B | UNDILUTED | 32 | 85 | 05 25 92 | N86HD | 30 | UNK | 2 | 3 | 55 | 58 | UNK | NO | 999 | 999 | 999 | 999 | 0 |
| WARREN | 0033 | 934 | EAST | NO | 533 | 24 | FIXED WALK | FORAY 48B | UNDILUTED | 24 | 64 | 05 23 92 | N8484V | 30 | UNK | 2 | 1 | 77 | 52 | UNK | UNK | 999 | 999 | 999 | 999 | 0 |
| WARREN | 0033 | 99999 | EAST | NO | 99999 | 99 | FIXED WALK | FORAY 48B | UNDILUTED | 99 | 999 | 05 29 92 | N8484V | 30 | UNK | 2 | 2 | 66 | 41 | UNK | UNK | 999 | 999 | 999 | 999 | 99999 |
| WARREN | 0034 | 99999 | EAST | NO | 99999 | 99 | FIXED WALK | FORAY 48B | UNDILUTED | 99 | 999 | 05 29 92 | N8484V | 30 | UNK | 2 | 2 | 66 | 41 | UNK | UNK | 999 | 999 | 999 | 999 | 99999 |
| WARREN | 0034 | 771 | EAST | NO | 400 | 24 | FIXED WALK | FORAY 48B | UNDILUTED | 24 | 64 | 05 25 92 | N8484V | 30 | DRY | 2 | 1 | 37 | 72 | GOOD | NO | 999 | 999 | 999 | 999 | 0 |
| WARREN | 0035 | 390 | NORTH | NO | 128 | 24 | FIXED WALK | FORAY 48B | UNDILUTED | 24 | 64 | 05 23 92 | N8484V | 30 | DRY | 2 | 0 | 67 | 54 | GOOD | NO | 999 | 999 | 999 | 999 | 0 |

# TABLE 3.--LISTING OF ALL DATA BY COUNTY - 1992-1994

*15-Feb-95*

| COUNTY | BNAME | BACRES | ASPECT | PTREATED | PDENSITY | EMSIZE | STYPE | FORMULATION | IF BT | BIU | RATE | APP DATE | | | TAILNO | FEXPAND | FCOND | LSTAGE | WS | TEMP | HUMIDIY | SDEP | RAIN | PERCENT OF BLOCK ACRES DEFOLIATED NONE | LIGHT | MEDIUM | HIGH | EM DEN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1993** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ELK | 0024 | 122 | SOUTH | NO | 950 | 99 | FIXED PLOT | DIPEL 6AF | UNDILUTED | 36 | 096 | 05 | 22 | 93 | N900TD | 70 | DRY | 2 | 2 | 59 | 44 | GOOD | NO | 100 | 0 | 0 | 0 | 0 |
| ELK | 0025 | 1068 | WEST | NO | 1800 | 99 | FIXED PLOT | DIPEL 6AF | UNDILUTED | 36 | 096 | 05 | 21 | 93 | N900TD | 70 | DRY | 2 | 1 | 50 | 63 | GOOD | NO | 100 | 0 | 0 | 0 | 0 |
| ELK | 0025 | 99999 | WEST | NO | 99999 | 99 | FIXED PLOT | DIPEL 6AF | UNDILUTED | 99 | 096 | 06 | 04 | 93 | N32JD | 999 | DRY | 2 | 0 | 56 | 76 | GOOD | NO | 999 | 999 | 999 | 999 | 99999 |
| ELK | 0026 | 219 | NONE | NO | 1500 | 99 | FIXED PLOT | DIPEL 6AF | UNDILUTED | 36 | 096 | 05 | 21 | 93 | N900TD | 75 | DRY | 2 | 2 | 48 | 59 | GOOD | NO | 100 | 0 | 0 | 0 | 0 |
| ELK | 0026 | 99999 | NONE | NO | 99999 | 99 | FIXED PLOT | DIPEL 6AF | UNDILUTED | 99 | 096 | 06 | 04 | 93 | N32JD | 999 | DRY | 2 | 0 | 56 | 76 | GOOD | NO | 999 | 999 | 999 | 999 | 99999 |
| FOREST | 0023 | 362 | WEST | NO | 1000 | 99 | FIXED PLOT | DIPEL 6AF | UNDILUTED | 36 | 096 | 05 | 23 | 93 | N900TD | 70 | DRY | 2 | 1 | 58 | 61 | GOOD | NO | 100 | 0 | 0 | 0 | 0 |
| MCKEAN | 0001 | 99999 | SOUTH | NO | 99999 | 99 | FIXED PLOT | DIPEL 6AF | UNDILUTED | 99 | 096 | 05 | 27 | 93 | N11TD | 999 | DRY | 2 | 3 | 53 | 60 | GOOD | NO | 999 | 999 | 999 | 999 | 99999 |
| MCKEAN | 0001 | 240 | SOUTH | NO | 1500 | 99 | FIXED PLOT | DIPEL 6AF | UNDILUTED | 36 | 096 | 05 | 22 | 93 | N11TD | 70 | UNK | 2 | 1 | 48 | 80 | GOOD | NO | 100 | 0 | 0 | 0 | 80 |
| MCKEAN | 0002 | 99999 | NONE | NO | 99999 | 99 | FIXEDPLOT | DIPEL 6AF | UNDILUTED | 99 | 096 | 06 | 04 | 93 | N32JD | 999 | DRY | 2 | 0 | 49 | 80 | GOOD | NO | 999 | 999 | 999 | 999 | 99999 |
| MCKEAN | 0002 | 677 | NONE | NO | 1500 | 99 | FIXED PLOT | DIPEL 6AF | UNDILUTED | 36 | 096 | 05 | 22 | 93 | N11TD | 60 | UNK | 2 | 2 | 50 | 80 | GOOD | NO | 100 | 0 | 0 | 0 | 220 |
| MCKEAN | 0003 | 4066 | WEST | NO | 2000 | 99 | FIXED PLOT | DIPEL 6AF | UNDILUTED | 36 | 096 | 05 | 26 | 93 | N11TD | 70 | DRY | 2 | 2 | 48 | 84 | GOOD | NO | 100 | 0 | 0 | 0 | 7 |
| MCKEAN | 0003 | 99999 | WEST | NO | 99999 | 99 | FIXED PLOT | DIPEL 6AF | UNDILUTED | 99 | 096 | 06 | 02 | 93 | N900TD | 999 | DRY | 2 | 1 | 47 | 78 | GOOD | NO | 999 | 999 | 999 | 999 | 99999 |
| MCKEAN | 0004 | 1653 | WEST | NO | 2900 | 99 | FIXED PLOT | DIPEL 6AF | UNDILUTED | 36 | 096 | 05 | 26 | 93 | N11TD | 70 | DRY | 2 | 3 | 51 | 63 | GOOD | NO | 100 | 0 | 0 | 0 | 7 |
| MCKEAN | 0004 | 99999 | WEST | NO | 99999 | 99 | FIXED PLOT | DIPEL 6AF | UNDILUTED | 99 | 096 | 06 | 02 | 93 | N900TD | 999 | DRY | 2 | 1 | 38 | 84 | GOOD | NO | 999 | 999 | 999 | 999 | 99999 |
| MCKEAN | 0008 | 352 | SOUTH | NO | 1500 | 99 | FIXED PLOT | DIPEL 6AF | UNDILUTED | 36 | 096 | 05 | 23 | 93 | N11TD | 75 | DRY | 2 | 1 | 40 | 84 | GOOD | NO | 100 | 0 | 0 | 0 | 0 |
| MCKEAN | 0008 | 99999 | SOUTH | NO | 99999 | 99 | FIXED PLOT | DIPEL 6AF | UNDILUTED | 99 | 096 | 06 | 03 | 93 | N32JD | 999 | DRY | 2 | 0 | 59 | 79 | GOOD | NO | 999 | 999 | 999 | 999 | 99999 |
| MCKEAN | 0009 | 99999 | NONE | NO | 99999 | 99 | FIXED PLOT | DIPEL 6AF | UNDILUTED | 99 | 096 | 06 | 03 | 93 | N32JD | 999 | DRY | 2 | 2 | 56 | 61 | GOOD | NO | 999 | 999 | 999 | 999 | 99999 |
| MCKEAN | 0009 | 346 | NONE | NO | 1500 | 99 | FIXED PLOT | DIPEL 6AF | UNDILUTED | 36 | 096 | 05 | 22 | 93 | N32JD | 75 | DRY | 2 | 2 | 47 | 67 | GOOD | NO | 100 | 0 | 0 | 0 | 47 |
| MCKEAN | 0010 | 144 | WEST | NO | 1500 | 99 | FIXED PLOT | DIPEL 6AF | UNDILUTED | 36 | 096 | 05 | 23 | 93 | N32JD | 75 | DRY | 2 | 3 | 46 | 61 | GOOD | NO | 100 | 0 | 0 | 0 | 47 |
| MCKEAN | 0010 | 99999 | WEST | NO | 99999 | 99 | FIXED PLOT | DIPEL 6AF | UNDILUTED | 99 | 096 | 06 | 03 | 93 | N32JD | 999 | DRY | 2 | 2 | 56 | 61 | GOOD | NO | 999 | 999 | 999 | 999 | 99999 |
| MCKEAN | 0013 | 157 | SOUTH | NO | 1500 | 99 | FIXED PLOT | DIPEL 6AF | UNDILUTED | 36 | 096 | 05 | 23 | 93 | N32JD | 75 | DRY | 2 | 2 | 46 | 61 | GOOD | NO | 100 | 0 | 0 | 0 | 47 |
| MCKEAN | 0013 | 99999 | SOUTH | NO | 99999 | 99 | FIXED PLOT | DIPEL 6AF | UNDILUTED | 99 | 096 | 06 | 03 | 93 | N32JD | 999 | DRY | 2 | 2 | 56 | 61 | GOOD | NO | 999 | 999 | 999 | 999 | 99999 |
| MCKEAN | 0014 | 217 | NONE | NO | 1000 | 99 | FIXED PLOT | DIPEL 6AF | UNDILUTED | 36 | 096 | 05 | 21 | 93 | N32JD | 70 | DRY | 2 | 2 | 48 | 75 | GOOD | NO | 100 | 0 | 0 | 0 | 13 |
| MCKEAN | 0018 | 232 | NORTH | NO | 1500 | 99 | FIXED PLOT | DIPEL 6AF | UNDILUTED | 36 | 096 | 05 | 21 | 93 | N32JD | 70 | DRY | 2 | 1 | 41 | 77 | GOOD | NO | 100 | 0 | 0 | 0 | 0 |
| WARREN | 0005 | 99999 | NONE | NO | 99999 | 99 | FIXED PLOT | DIPEL 6AF | UNDILUTED | 99 | 095 | 06 | 02 | 93 | N32JD | 70 | DRY | 2 | 1 | 50 | 68 | GOOD | NO | 999 | 999 | 999 | 999 | 99999 |

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*15-Feb-95*

| COUNTY | BNAME | BACRES | ASPECT | PTREATED | PDENSITY | EMSIZE | STYPE | FORMULATION | IF BT | BIU | RATE | APP DATE | TAILNO | FEXPAND | FCOND | LSTAGE | WS | TEMP | HUMIDIY | SDEP | RAIN | PERCENT OF BLOCK ACRES DEFOLIATED NONE | LIGHT | MEDIUM | HIGH | EM DEN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WARREN | 0005 | 550 | NONE | NO | 1600 | 99 | FIXED PLOT | DIPEL 6AF | UNDILUTED | 36 | 096 | 05 27 93 | N32JD | 999 | DRY | 2 | 1 | 41 | 72 | GOOD | NO | 100 | 0 | 0 | 0 | 127 |
| WARREN | 0005 | 99999 | NONE | NO | 99999 | 99 | FIXED PLOT | DIPEL 6AF | UNDILUTED | 99 | 096 | 06 02 93 | N32JD | 999 | DRY | 2 | 1 | 50 | 68 | GOOD | NO | 999 | 999 | 999 | 999 | 99999 |
| WARREN | 0006 | 1483 | NONE | NO | 3800 | 99 | FIXED PLOT | DIPEL 6AF | UNDILUTED | 36 | 096 | 05 27 93 | N32JD | 70 | DRY | 2 | 1 | 41 | 72 | GOOD | NO | 100 | 0 | 0 | 0 | 127 |
| WARREN | 0007 | 52 | SOUTH | NO | 1500 | 99 | FIXED PLOT | DIPEL 6AF | UNDILUTED | 36 | 096 | 05 23 93 | N900TD | 70 | UNK | 2 | 99 | 999 | 999 | GOOD | NO | 100 | 0 | 0 | 0 | 280 |
| WARREN | 0007 | 99999 | SOUTH | NO | 99999 | 99 | FIXED PLOT | DIPEL 6AF | UNDILUTED | 99 | 096 | 06 03 93 | N900TD | 999 | DRY | 9 | 99 | 999 | 999 | GOOD | NO | 999 | 999 | 999 | 999 | 99999 |
| WARREN | 0011 | 877 | NORTH | NO | 1500 | 99 | FIXED PLOT | DIPEL 6AF | UNDILUTED | 36 | 096 | 05 21 93 | N32JD | 70 | DRY | 2 | 1 | 46 | 73 | GOOD | NO | 100 | 0 | 0 | 0 | 0 |
| WARREN | 0011 | 99999 | NORTH | NO | 99999 | 99 | FIXED PLOT | DIPEL 6AF | UNDILUTED | 99 | 096 | 06 02 93 | N32JD | 999 | DRY | 2 | 1 | 42 | 78 | GOOD | NO | 999 | 999 | 999 | 999 | 99999 |
| WARREN | 0012 | 110 | SOUTH | NO | 1500 | 99 | FIXED PLOT | DIPEL 6AF | UNDILUTED | 36 | 096 | 05 23 93 | N32JD | 75 | DRY | 2 | 2 | 41 | 73 | GOOD | NO | 100 | 0 | 0 | 0 | 0 |
| WARREN | 0012 | 99999 | SOUTH | NO | 99999 | 99 | FIXED PLOT | DIPEL 6AF | UNDILUTED | 99 | 096 | 06 02 93 | N32JD | 999 | DRY | 2 | 1 | 42 | 78 | GOOD | NO | 999 | 999 | 999 | 999 | 99999 |
| WARREN | 0015 | 461 | EAST | NO | 1200 | 99 | FIXED PLOT | DIPEL 6AF | UNDILUTED | 36 | 096 | 05 27 93 | N32JD | 70 | DRY | 2 | 0 | 52 | 56 | GOOD | NO | 100 | 0 | 0 | 0 | 0 |
| WARREN | 0016 | 1303 | NONE | NO | 400 | 99 | FIXED PLOT | DIPEL 6AF | UNDILUTED | 36 | 096 | 05 23 93 | N32JD | 70 | DRY | 2 | 2 | 59 | 56 | GOOD | NO | 100 | 0 | 0 | 0 | 0 |
| WARREN | 0017 | 239 | SOUTH | NO | 100 | 99 | FIXED PLOT | DIPEL 6AF | UNDILUTED | 36 | 096 | 05 23 93 | N11TD | 70 | DRY | 2 | 2 | 54 | 74 | GOOD | NO | 100 | 0 | 0 | 0 | 0 |
| WARREN | 0018 | 232 | NORTH | NO | 1500 | 99 | FIXED PLOT | DIPEL 6AF | UNDILUTED | 36 | 096 | 05 27 93 | N32JD | 75 | DRY | 2 | 99 | 999 | 999 | GOOD | NO | 100 | 0 | 0 | 0 | 99999 |
| WARREN | 0019 | 1270 | WEST | NO | 1600 | 99 | FIXED PLOT | DIPEL 6AF | UNDILUTED | 36 | 096 | 05 21 93 | N11TD | 70 | DRY | 2 | 3 | 55 | 44 | GOOD | NO | 100 | 0 | 0 | 0 | 0 |
| WARREN | 0019 | 99999 | WEST | NO | 99999 | 99 | FIXED PLOT | DIPEL 6AF | UNDILUTED | 99 | 999 | 06 03 93 | N900TD | 999 | DRY | 2 | 2 | 60 | 60 | GOOD | NO | 999 | 999 | 999 | 999 | 99999 |
| WARREN | 0020 | 124 | WEST | NO | 2000 | 99 | FIXED PLOT | DIPEL 6AF | UNDILUTED | 36 | 096 | 05 21 93 | N11TD | 70 | DRY | 2 | 3 | 55 | 44 | GOOD | NO | 100 | 0 | 0 | 0 | 0 |
| WARREN | 0020 | 99999 | WEST | NO | 99999 | 99 | FIXED PLOT | DIPEL 6AF | UNDILUTED | 99 | 999 | 06 03 93 | N900TD | 999 | DRY | 2 | 2 | 60 | 60 | GOOD | NO | 999 | 999 | 999 | 999 | 99999 |
| WARREN | 0021 | 89 | WEST | NO | 300 | 99 | FIXED PLOT | DIPEL 6AF | UNDILUTED | 36 | 096 | 05 23 93 | N11TD | 70 | DRY | 2 | 99 | 999 | 999 | GOOD | NO | 100 | 0 | 0 | 0 | 0 |
| WARREN | 0022 | 71 | NORTH | NO | 200 | 99 | FIXED PLOT | DIPEL 6AF | UNDILUTED | 36 | 096 | 05 23 93 | N11TD | 70 | DRY | 2 | 0 | 60 | 57 | GOOD | NO | 100 | 0 | 0 | 0 | 0 |

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*15-Feb-95*

| COUNTY | BNAME | BACRES | ASPECT | PTREATED | PDENSITY | EMSIZE | STYPE | FORMULATION | IF BT | BIU | RATE | APP DATE | TAILNO | FEXPAND | FCOND | LSTAGE | WS | TEMP | HUMIDITY | SDEP | RAIN | PERCENT OF BLOCK ACRES DEFOLIATED NONE | LIGHT | MEDIUM | HIGH | EM DEN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1994** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MCKEAN | 0001 | 541 | SOUTH | NO | 1500 | 40 | FIXED | THURICIDE 48LV | DILUTED | 32 | 85 | 05 31 94 | N177H | 60 | DRY | 1 | 0 | 61 | 79 | GOOD | NO | 100 | 0 | 0 | 0 | 0 |
| MCKEAN | 0002 | 99999 | SOUTH | NO | 99999 | 99 | FIXED | THURICIDE 48LV | DILUTED | 32 | 85 | 06 06 94 | N177H | 999 | DRY | 1 | 2 | 55 | 82 | GOOD | NO | 999 | 999 | 999 | 999 | 99999 |
| MCKEAN | 0002 | 636 | SOUTH | NO | 5500 | 40 | FIXED | THURICIDE 48LV | DILUTED | 32 | 85 | 05 31 94 | N177H | 60 | DRY | 1 | 0 | 61 | 79 | GOOD | NO | 100 | 0 | 0 | 0 | 0 |
| MCKEAN | 0008 | 1412 | SOUTH | NO | 4500 | 40 | FIXED | THURICIDE 48 LV | DILUTED | 32 | 85 | 05 31 94 | N177H | 60 | DRY | 1 | 3 | 69 | 66 | GOOD | NO | 100 | 0 | 0 | 0 | 0 |
| MCKEAN | 0008 | 99999 | SOUTH | NO | 99999 | 99 | FIXED | THURICIDE 48LV | DILUTED | 99 | 999 | 06 02 94 | N177H | 60 | DRY | 1 | 2 | 58 | 61 | GOOD | NO | 999 | 999 | 999 | 999 | 0 |
| MCKEAN | 0008 | 99999 | SOUTH | NO | 99999 | 99 | FIXED | THURICIDE 48LV | DILUTED | 99 | 999 | 06 06 94 | N177H | 60 | DRY | 1 | 0 | 56 | 82 | GOOD | NO | 999 | 999 | 999 | 999 | 0 |
| MCKEAN | 0008 | 99999 | SOUTH | NO | 99999 | 99 | FIXED | THURICIDE 48 LV | DILUTED | 99 | 999 | 06 07 94 | N177H | 60 | DRY | 1 | 4 | 65 | 70 | GOOD | NO | 999 | 999 | 999 | 999 | 0 |
| MCKEAN | 0009 | 974 | WEST | NO | 2500 | 40 | FIXED | THURICIDE 48LV | DILUTED | 32 | 85 | 05 31 94 | N177H | 60 | DRY | 1 | 3 | 69 | 66 | GOOD | NO | 100 | 0 | 0 | 0 | 0 |
| MCKEAN | 0009 | 99999 | WEST | NO | 99999 | 99 | FIXED | THURICIDE 48LV | DILUTED | 99 | 999 | 06 02 94 | N177H | 60 | DRY | 1 | 2 | 58 | 59 | GOOD | NO | 999 | 999 | 999 | 999 | 0 |
| MCKEAN | 0009 | 99999 | WEST | NO | 99999 | 99 | FIXED | THURICIDE 48LV | DILUTED | 99 | 999 | 06 07 94 | N177H | 60 | DRY | 1 | 4 | 65 | 70 | GOOD | NO | 999 | 999 | 999 | 999 | 0 |
| WARREN | 0003 | 634 | EAST | NO | 1500 | 40 | FIXED | THURICIDE 48LV | DILUTED | 32 | 85 | 06 02 94 | N177H | 60 | DRY | 1 | 1 | 38 | 90 | GOOD | NO | 100 | 0 | 0 | 0 | 0 |
| WARREN | 0004 | 66 | EAST | NO | 5000 | 40 | FIXED | THURICIDE 48LV | DILUTED | 32 | 85 | 06 02 94 | N177H | 50 | DRY | 1 | 1 | 53 | 64 | GOOD | NO | 100 | 0 | 0 | 0 | 0 |
| WARREN | 0004 | 99999 | EAST | NO | 99999 | 99 | FIXED | THURICIDE 48LV | DILUTED | 99 | 999 | 06 07 94 | N177H | 50 | DRY | 1 | 2 | 69 | 58 | GOOD | NO | 999 | 999 | 999 | 999 | 0 |
| WARREN | 0005 | 2396 | EAST | NO | 2500 | 40 | FIXED | THURICIDE 48LV | DILUTED | 32 | 85 | 06 02 94 | N177H | 70 | DRY | 1 | 2 | 38 | 90 | GOOD | NO | 100 | 0 | 0 | 0 | 0 |
| WARREN | 0005 | 99999 | EAST | NO | 99999 | 99 | FIXED | THURICIDE 48LV | DILUTED | 99 | 999 | 06 07 94 | N177H | 70 | DRY | 1 | 2 | 69 | 58 | GOOD | NO | 999 | 999 | 999 | 999 | 0 |
| WARREN | 0006 | 110 | EAST | NO | 2000 | 40 | FIXED | THURICIDE 48LV | DILUTED | 32 | 85 | 06 02 94 | N177H | 60 | DRY | 1 | 1 | 40 | 88 | GOOD | NO | 100 | 0 | 0 | 0 | 0 |
| WARREN | 0006 | 99999 | EAST | NO | 99999 | 99 | FIXED | THURICIDE 48LV | DILUTED | 99 | 999 | 06 07 94 | N177H | 60 | DRY | 1 | 2 | 67 | 64 | GOOD | NO | 999 | 999 | 999 | 999 | 0 |
| WARREN | 0007 | 99999 | EAST | NO | 99999 | 99 | FIXED | THURICIDE 48LV | DILUTED | 99 | 99 | 06 07 94 | N177H | 60 | DRY | 1 | 1 | 65 | 64 | GOOD | NO | 999 | 999 | 999 | 999 | 0 |
| WARREN | 0007 | 2597 | EAST | NO | 2500 | 40 | FIXED | THURICIDE 48LV | DILUTED | 32 | 85 | 06 02 94 | N177H | 60 | DRY | 1 | 1 | 52 | 64 | GOOD | NO | 100 | 0 | 0 | 0 | 0 |